

**CALIFORNIA DEPARTMENT OF WATER RESOURCES
OROVILLE FACILITIES
PRELIMINARY ISSUE SHEETS**

April 19, 2001

~~Revised During Work Group Meeting April 19, 2001 and additional comments received by DWR before May 24 Work Group meeting by consulting team for July 26 Work Group meeting.~~

RECREATION

ISSUE STATEMENT R1. Adequacy of existing project recreation facilities, opportunities, and access to accommodate current use and future demand. (Issues addressed: 1, 2, 5-39, 41, 52, 53, 55-62, 64-85, 95, 96, 98, 104, 105, 110)

GEOGRAPHIC SCOPE:

Area within the Oroville Facilities FERC boundary, for existing recreation facilities. For unmet and future demand, geographic scope can include area within existing FERC boundary, as well as adjacent lands and off-site lands that have a clear nexus to the Oroville Project.

RESOURCE GOALS:

1. Compliance of the Oroville facilities with the existing FERC license.
2. Compliance of Oroville facilities with FERC regulations as they relate to recreation development.
3. Compliance of the Oroville facilities with existing regulations, including Americans with Disabilities Act (ADA) guidelines.
4. Provide recreation development to support a range of recreation opportunities (examples mentioned in comments: private business, primitive camping, boat in/shoreline camping, whitewater boating, houseboat moorage, access to upper forks of Lake Oroville past log booms, model airplane flying, swimming and beach use, fishing, gold dredging, hang-gliding, kite flying, hiking, trail biking, trail systems, and equestrian use).
5. Provide and maintain sufficient access for recreation visitors to utilize project recreation areas and facilities.
6. Provide recreation that supports and promotes development of public event venues at the Project (for events such as bass tournaments, water ski and powerboat competitions).
7. Provide visitor orientation information and facilities in the Project area, including educational opportunities such as boating safety, environmental interpretation, and area history.
8. Minimize the impact of recreational activities and facilities on the natural environment and cultural resources.

9. Provide recreational development for diverse user groups, including existing and potential users, and locals and non-locals.
10. Develop where applicable, the appropriate level of access and facilities to match any sub-planning areas of the Project. (clustering concept).
11. Provide the maximum level of recreation development and use that provides high quality recreation opportunities on the Project, while protecting the environment and being consistent with Project operations.
12. Provide improved swimming locations/facilities in the Project area.
13. Provide recreation development to meet both local and regional recreation demand, recognizing that the solutions may lie outside of the FERC boundary.
14. The project recreation facilities and their operation and maintenance will provide a quality recreational experience and accommodate current and future recreation demands, opportunities, and access.
15. Ensure project recreation facilities meet public demand through the license period.
16. Protect existing recreational uses from potential adverse effects of future developments.

EXISTING INFORMATION:

1. DWR Recreation Plan for Lake Oroville State Recreation Area.
2. DPR Resource Management Plan and General Development Plan, Lake Oroville State Recreation Area.
3. City of Oroville General Plan and Land Use Maps.
4. Butte County General Plan.
5. Oroville Wildlife Area Management Plan.
6. Statewide Comprehensive Outdoor Recreation Plan.
7. FERC Form 80.
8. DPR Public Opinion on Outdoor Recreation in California.
9. Reservoirs of Opportunity: Report of the National Recreation Lakes Commission.
10. A Study of Boater Recreation On Lake Berryessa, California.
11. Poe Hydroelectric Project Recreation Studies.
12. Lake Oroville State Recreation Area Recreational Use Study.
13. DPR Lake Oroville Resource Inventory.
14. Lake Oroville State Recreation Area, Statewide Resources Management Plan.
15. Recreation Facilities Plan for North and South Delta.
16. Lake Oroville Attendance Figures.
17. Lake Oroville State Recreation Area Trail Map.
18. Assessment of bicycle trail link 1998.
19. Plumas National Forest EIS, 1988 (socioeconomic information).
20. Socioeconomic Socioeconomic impacts of Red Man (Operation Bass) tournaments.
21. Personal income and per capita income by county, 1996-1998.
22. California Department of Finance: population estimates, projections, housing, labor force, etc.

23. Travel impacts by county, 1992-1998.
24. LOSRA, Recreation use study.
25. Taxable sales by county and city, 1999.
26. Banking on Nature: The Economic Benefits to Local Communities of National Wildlife Refuge Visitation.
27. 1996 National and State Economic Impacts of Wildlife Watching.
28. Social, Economic, Environmental, and Leisure Assessment Database (SEELA).
29. The Demand for and Net Economic Value of Waterfowl Hunting in California's Sacramento and San Joaquin Valley Refuges.
30. Resident Annual Hunting License Sales by County, 1987-1997.
31. Total Sales, Items, and Units Reported by License Year. 1990-1999.
32. Economic Contribution of Deer, Pronghorn antelope, and Sage Grouse Hunting to Northeastern California and Implications to the Overall "Value" of Wildlife.
33. Visitor Reactions to the U.S. Fish and Wildlife Service Fee Demonstration Program.
34. A Travel Cost Analysis of Waterfowl Hunting in the Central Valley of California.

INFORMATION NEEDED-NEEDED:

1. Develop a complete inventory of recreation resources at the Oroville facilities.
2. Review the current condition and adequacy of recreation facilities in the Project area, identifying maintenance issues as well as opportunities and constraints for new facility development.
3. Develop an understanding of recreation use patterns at the Project.
4. Identify operational and access constraints to the Oroville Facilities, particularly lake level data.
5. Identify suitable locations for swimming based on environmental and constructed factors, as well as areas of constraint.
6. Identify existing swimming areas.
7. Identify areas where facilities complementary to swimming are located.
8. Identify shoreline/land ownership.
9. Identify demand, needs and preferences of users for swimming opportunities.
10. Evaluate recreational and land use plans for consistency.
11. Evaluate ADA accessibility.
12. Identify current and projected swimming use.
13. Identify existing trails.
14. Identify current and projected trail-related use.
15. Identify any potential conflicts among diverse trail users.
16. Evaluate recreational and land use plans for consistency.
17. Identify current and projected recreation use.
18. Evaluate existing and potential public use impacts from recreation activities and facilities.
19. Regional Marketing plan.
20. Butte County marketing plan.
21. DWR Recreational marketing plan.
22. Input from residents.
23. Input from businesses.
24. Input from Butte County.
25. Input from City of Oroville.
26. Identify existing recreational facilities and conditions.
27. Identify areas where facilities are complementary to each other.
28. Identify demand, needs and preferences for users of various recreation opportunities.

29. Identify all areas where debris has accumulated and prioritize clean-up efforts.
30. Identify preferences of maintenance agencies for schedule and plan.
31. Identify operational and access constraints to the Oroville Facilities, particularly visitor data and CalTrans data.
32. Identify suitable locations for improvements, as well as areas of constraint.
33. Identify existing access conditions.
34. Identify areas where access routes are complementary to each other.
35. Identify property ownership and responsibility.
36. Identify demand, needs and preferences of users accessing the LOSRA.
37. Evaluate recreational and land use plans for consistency.
38. Identify current and projected visitation.
39. Evaluate existing and potential public use impacts from increasing access.
40. Identify level of assessment for biological inventory (DPR, DFG).
41. Identify waterfowl data.
42. Identify alternative flora for invasive replants.
43. Determine feasibility of camouflaging utility infrastructure.

LEVEL OF ANALYSIS:

Field and ~~desk-top~~desktop studies of project operations and developments to ascertain if current demand is met and if future demand will be met.

ISSUE STATEMENT R2. Adequacy of public safety at the Oroville Project recreation facilities. (Issues addressed: 49, 92, 93)

GEOGRAPHIC SCOPE:

Oroville Project recreation facilities.

RESOURCE GOALS:

1. ~~Ensure P~~ublic safety ~~must be a top priority at all times.~~ Ensure that Ssafety procedures ~~should be periodically~~ are periodically reviewed to reflect changing uses of Project reservoirs and lands.
2. ~~Provide appropriate and accurate project information~~
3. Provide appropriate and accurate information about the Project for safety and maintenance needs. (~~maintenance~~ Maintenance as well as information)
- 3-4. ~~Ensure C~~ompliance of the ~~Oroville facilities with existing safety regulations in both~~ ADA and FERC guidelines for the Oroville facilities.
5. Ensure project lands, facilities and operational measures to provide for public safety and security.
6. Ensure public safety measures that might include patrols and adequate staffing.
7. Ensure that The project recreation facilities, -and their operation, and their maintenance will provide a quality recreational experience and accommodate current and future recreation demands, opportunities, and access.

EXISTING INFORMATION:

1. DWR Recreation Plan for Lake Oroville State Recreation Area.
2. DPR Resource Management Plan and General Development Plan, Lake Oroville State Recreation Area.
3. City of Oroville General Plan and Land Use Maps.
4. Butte County General Plan.
5. Oroville Wildlife Area Management Plan.
6. Statewide Comprehensive Outdoor Recreation Plan.
7. FERC Form 80.
8. A Study of Boater Recreation On Lake Berryessa, California.
9. Lake Oroville State Recreation Area, Statewide Resources Management Plan.
10. Bureau of Reclamation DataWeb. Mid-Pacific Region-Dams.
11. DBW Lakes and Reservoirs Information site.
12. DBW Hunting and Fishing from Small Boats information site.
13. DBW PWC Use information site.
14. DBW Sacramento River information site.
15. DBW Water skiing safety information site.
16. FERC Guidelines for Public Safety at Hydropower Projects.

INFORMATION NEEDED:

1. Identify potential safety hazard areas and issues.
2. Identify suitable locations for improvement features.
3. Identify areas where safety has been a problem.
4. Identify any potential conflicts among uses and safety equipment.

LEVEL OF ANALYSIS:

Field and ~~desk-top~~desktop studies of project operations to determine where problems have occurred, provide remedies for known problem areas, and develop methods to prevent foreseeable incidents.

ISSUE STATEMENT R3. Effects of facilities operations on recreation and socioeconomic opportunities. (Issues addressed: 44, 50, 51, 54, 63, 109)

GEOGRAPHIC SCOPE:

Area within the Oroville Facilities FERC boundary and Butte County.

RESOURCE GOALS:

1. ~~Obtain recreation user input to determine the effects of~~ Ensure that Project operations do not have an unacceptable level of impact on recreation use of the Project area (including fluctuations in reservoir pool levels, water temperature, floating debris, etc.).
2. Ensure that sustainable and enjoyable levels of hunting and fishing are available on Project lands. ~~Study effects of Project operations on fishing and hunting on Project lands.~~
- ~~3.~~ Minimize adverse impacts on recreation due to reservoir drawdowns.
- ~~3.4.~~ Provide community-wide socioeconomic support through managing project lands and facilities in a manner that promotes high quality recreational use of the project area.
5. ~~The project recreation facilities and their~~ Ensure that the operation and maintenance of Project recreation facilities will provide a quality recreational experiences and accommodate current and future recreation demands, opportunities, and access.

EXISTING INFORMATION:

1. DWR Recreation Plan for Lake Oroville State Recreation Area.
2. DPR Resource Management Plan and General Development Plan, Lake Oroville State Recreation Area.
3. City of Oroville General Plan and Land Use Maps.
4. Butte County General Plan.
5. Oroville Wildlife Area Management Plan.
6. Statewide Comprehensive Outdoor Recreation Plan.
7. FERC Form 80.
8. DPR Public Opinion on Outdoor Recreation in California.
9. Reservoirs of Opportunity: Report of the National Recreation Lakes Commission.
10. Lake Oroville State Recreation Area Recreational Use Study.
11. DPR Lake Oroville Resource Inventory.
12. Lake Oroville State Recreation Area, Statewide Resources Management Plan.
13. Lake Oroville Attendance Figures.
14. Recreation Developments at Licensed Hydropower Projects.
15. State Park Basics. Recreational information for various state parks within the SF Bay Area, Central Valley, Central Coast, Gold Country, and Shasta/Cascades.
16. 1997. Public Opinions and Attitudes on Outdoor Recreation in California.
17. 1999-2000 Guide to California's State-Operated Hunting Areas.
18. DWR Comparative Inventory of California's Largest Reservoirs.
19. DWR Initial Information Package.

INFORMATION NEEDED:

1. Identify operational and access constraints to the Oroville Facilities, particularly lake level data.
2. Identify suitable locations for swimming based on environmental and constructed factors, as well as areas of constraint.
3. Identify existing recreational facilities and conditions.
4. Identify areas where facilities are complementary to each other.
5. Identify demand, needs and preferences for users of various recreation opportunities.
6. Evaluate recreational and land use plans for consistency.
7. Evaluate ADA accessibility.
8. Identify current and projected recreation use.
9. Evaluate existing and potential public use impacts from recreation activities and facilities.

LEVEL OF ANALYSIS:

Field and ~~desk-top~~ desktop studies of facility operations and recreation developments to ascertain if they afford appropriate socioeconomic opportunities in the Lake Oroville Area.

ISSUE STATEMENT R4. Adequacy of operations and maintenance and clean-up activities associated with existing and new recreation areas. (Issues addressed: 87-91)

GEOGRAPHIC SCOPE:

Area within the Oroville Facilities FERC boundary.

RESOURCE GOAL:

1. Ensure that ~~D~~ debris collection efforts ~~should be handled~~ occurs on a regularly scheduled basis.

~~The project recreation facilities and their operation and maintenance will provide a quality recreational experience and accommodate current and future recreation demands, opportunities, and access.~~

2. Ensure that the operation and maintenance of Project recreation facilities will provide quality recreation experiences and accommodate current and future recreation demands, opportunities, and access.

EXISTING INFORMATION:

1. DWR Recreation Plan for Lake Oroville State Recreation Area.
2. DPR Resource Management Plan and General Development Plan, Lake Oroville State Recreation Area.
3. City of Oroville General Plan and Land Use Maps.
4. Butte County General Plan.
5. Oroville Wildlife Area Management Plan.
6. Statewide Comprehensive Outdoor Recreation Plan.
7. FERC Form 80.
8. Lake Oroville State Recreation Area Recreational Use Study.
9. DPR Lake Oroville Resource Inventory.
10. Lake Oroville State Recreation Area, Statewide Resources Management Plan.

INFORMATION NEEDED:

1. Identify existing facilities and conditions.
2. Identify all areas where debris has accumulated and prioritize clean-up efforts.
3. Identify property ownership.
4. Identify preferences of maintenance agencies for schedule and plan.

LEVEL OF ANALYSIS:

Field studies of maintenance and clean-up activities to determine where debris occurs, ~~how~~, how to best remove it, and how to prevent accumulation with debris-management programs in the future.

ISSUE STATEMENT R5. Appropriate recreation funding, development, and management structure. (Issues addressed: 3, 4, 5-10, 12, 13-15, 28-39, 52,53, 55-62, 54-85, 96, 104, 105, 110-113, 115)

GEOGRAPHIC SCOPE:

Area within the Oroville Facilities FERC boundary.

RESOURCE GOALS:

1. ~~Identify recreation planning and coordination~~ Ensure that opportunities to coordinate across management existing across existing boundaries are met by encouraging land management agencies and their managers to integrate management and planning, especially with regard to post-licensing recreation measures.
2. ~~Review~~ Ensure that existing plans, policies, and regulations associated with the various land management entities in the Project area are reviewed to identify opportunities for coordination and cooperation among affiliated management entities.
3. ~~Where applicable, m~~ Management efforts should will be in compliance with the federal Wild and Scenic Rivers Act, and the National Trails Act.
4. ~~Evaluate and identify~~ Ensure that reliable funding sources for recreation development, operation, and maintenance are identified and evaluated.
5. Encourage public-private partnerships in the development of companion recreation facilities.
6. Encourage all land management agencies with management responsibilities in the Project Boundary to coordinate planning and management efforts of project lands, where appropriate.
7. Ensure that the operation and maintenance of Project recreation facilities will provide quality recreation experiences and accommodate current and future recreation demands, opportunities, and access.

EXISTING INFORMATION:

1. DWR Recreation Plan for Lake Oroville State Recreation Area.
2. DPR Resource Management Plan and General Development Plan, Lake Oroville State Recreation Area.
3. City of Oroville General Plan and Land Use Maps.
4. Butte County General Plan.
5. Oroville Wildlife Area Management Plan.
6. Statewide Comprehensive Outdoor Recreation Plan.
7. FERC Form 80.
8. DPR Public Opinion on Outdoor Recreation in California.
9. Reservoirs of Opportunity: Report of the National Recreation Lakes Commission.
10. A Study of Boater Recreation On Lake Berryessa, California.

11. Poe Hydroelectric Project Recreation Studies.
12. Lake Oroville State Recreation Area Recreational Use Study.
13. DPR Lake Oroville Resource Inventory.
14. Lake Oroville State Recreation Area, Statewide Resources Management Plan.
15. Recreation Facilities Plan for North and South Delta.
16. Lake Oroville Attendance Figures.
17. Recreation Developments at Licensed Hydropower Projects.
18. 1980-1995 Participation in Fishing, Hunting, and Wildlife Watching: National and Regional Demographic Trends.
19. 1996 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation.
20. Sacramento National Wildlife Refuge Complex Visitor Use Survey. 1997 –1998.
21. 1996 National Survey of Fishing, Hunting and Wildlife-Associated Recreation.
22. 1991 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation.
23. Hunter Questionnaire Summary. Sacramento National Wildlife Refuge.
24. 1985 National Survey of Fishing, Hunting, and Wildlife Associated Recreation.
25. Hunting on the Sacramento National Wildlife Refuge Complex.
26. Demographic Shifts: Potential Impacts for Outdoor Recreation Management.
27. National Outdoor Recreation Supply Information System (NORSIS).
28. Visitor Research Case Study: The Redding Resource Area Final Report.
29. Regional Demand and Supply Projection for Outdoor Recreation.
30. Effects of Subdivision and Access Restriction on Private Land Recreation Opportunities.
31. Sacramento District Lakes and Parks.
32. Natural Resources Management Survey (NRMS) Results From Fiscal Years 1998 and 1999.
33. Bureau of Reclamation DataWeb. Mid-Pacific Region- Dams.
34. South Delta Recreation Study for the South Delta Water management Study, California.
35. State Park Basics. Recreational information for various state parks within the
36. SF Bay Area, Central Valley, Central Coast, Gold Country, and Shasta/Cascades.
37. 1997. Public Opinions and Attitudes on Outdoor Recreation in California.
38. 1999-2000 Guide to California's State-Operated Hunting Areas.
39. Hunting and Other Public Uses on State and Federal Areas.
40. Resident Annual Hunting License Sales by County. 1987-1997.
41. Fish and Game Fact Sheet. Public Affairs/Conservation Education. 1999.
42. Disabled Persons Access Guide to California Fishing Areas and Piers.
43. DWR ~~Comparative~~Comparative Inventory of California's Largest Reservoirs.
44. Bureau of Reclamation Data Web. Mid-Pacific Region-Dams.
45. DBW Lakes and Reservoirs Information site.
46. DBW Hunting and Fishing from Small Boats information site.
47. DBW PWC Use information site.
48. DBW Sacramento River information site.
49. DBW Water skiing safety information site.
50. FERC Guidelines for Public Safety at Hydropower Projects.
51. Plumas National Forest EIS, 1988 (socioeconomic information).
52. ~~Socioeconomic~~Socioeconomic impacts of Red Man (Operation Bass) tournaments
53. Personal income and per capita income by county, 1996-1998.
54. California Department of Finance: population estimates, projections, housing, labor force, etc.
55. Travel impacts by county, 1992-1998.
56. LOSRA, Recreation use study.

57. Taxable sales by county and city, 1999.
58. Banking on Nature: The Economic Benefits to Local Communities of National Wildlife Refuge Visitation.
59. 1996 National and State Economic Impacts of Wildlife Watching.
60. Social, Economic, Environmental, and Leisure Assessment Database (SEELA).
61. The Demand for and Net Economic Value of Waterfowl Hunting in California's Sacramento and San Joaquin Valley Refuges.
62. Resident Annual Hunting License Sales by County. 1987-1997.
63. Total Sales, Items, and Units Reported by License Year. 1990-1999.
64. Economic Contribution of Deer, Pronghorn antelope, and Sage Grouse Hunting to Northeastern California and Implications to the Overall "Value" of Wildlife.
65. Visitor Reactions to the U.S. Fish and Wildlife Service Fee Demonstration Program.
66. A Travel Cost Analysis of Waterfowl Hunting in the Central Valley of California.
67. Visitor Research Case Study: The Redding Resource Area Final Report.
69. LOSRA Initial Information Packet.

INFORMATION NEEDED:

1. Identify operational and access constraints to the Oroville Facilities, particularly lake level data.
2. Identify suitable locations for swimming based on environmental and constructed factors, as well as areas of constraint.
3. Identify existing recreational facilities and conditions.
4. Identify areas where facilities are complementary to each other.
5. Identify property ownership.
6. Identify demand, needs and preferences for users of various recreation opportunities.
7. Evaluate recreational and land use plans for consistency.
8. Evaluate ADA accessibility.
9. Identify current and projected recreation use.
10. Evaluate existing and potential public use impacts from recreation activities and facilities.
11. Identify potential safety hazard areas and issues.
12. Identify suitable locations for improvement features.
13. Identify areas where safety has been a problem.
14. Regional Marketing plan.
15. Butte County marketing plan.
16. DWR Recreational marketing plan.
17. Input from residents
18. Input from businesses.
19. Input from Butte County
20. Input from City of Oroville.
21. Identify all areas where debris has accumulated and prioritize clean-up efforts.
22. Identify preferences of maintenance agencies for schedule and plan.
23. Identify operational and access constraints to the Oroville Facilities, particularly visitor data and CalTrans data.
24. Identify suitable locations for improvements, as well as areas of constraint.
25. Identify existing access conditions.
26. Identify areas where access routes are complementary to each other.
27. Identify property ownership and responsibility.
28. Identify demand, needs and preferences of users accessing the LOSRA.
29. Evaluate recreational and land use plans for consistency.

30. Identify current and projected visitation.
31. Evaluate existing and potential public use impacts from increasing access.
32. Identify level of assessment for biological inventory (DPR, DFG).
33. Identify waterfowl data.
34. Identify alternative flora for invasive replants.
35. Determine feasibility of camouflaging utility infrastructure.

LEVEL OF ANALYSIS:

Desk-top/Desktop study of current funding, funding sources, level of funding needed for current and future recreation facilities. Assess recreation development and facility and program management structure to understand if it meets current and future needs.

ISSUE STATEMENT R6. Appropriate management of fisheries and wildlife resources to provide recreational opportunities. (Issues addressed: 42, 43, 45-48, 63, 84, 107-109, 114)

GEOGRAPHIC SCOPE:

Area within the Oroville Facilities FERC boundary.

RESOURCE GOALS:

1. ~~(moved to Studies Needed)~~ Studies Needed
2. ~~Review~~ Ensure that management efforts being are conducted and monitored for long-term maintenance and enhancement of fisheries and riparian habitat communities.
3. Ensure that management of fish and wildlife resources within the Project Boundary provides for related recreation opportunities.
4. Ensure that the operation and maintenance of Project recreation facilities will provide quality recreation experiences and accommodate current and future recreation demands, opportunities, and access.

EXISTING INFORMATION:

1. DWR Recreation Plan for Lake Oroville State Recreation Area
2. DPR Resource Management Plan and General Development Plan, Lake Oroville State Recreation Area
3. City of Oroville General Plan and Land Use Maps
4. Butte County General Plan
5. Oroville Wildlife Area Management Plan
6. Statewide Comprehensive Outdoor Recreation Plan
7. FERC Form 80
8. DPR Public Opinion on Outdoor Recreation in California
9. Reservoirs of Opportunity: Report of the National Recreation Lakes Commission
10. Lake Oroville State Recreation Area Recreational Use Study
11. DPR Lake Oroville Resource Inventory
12. Lake Oroville State Recreation Area, Statewide Resources Management Plan
13. Lake Oroville Attendance Figures
14. Recreation Developments at Licensed Hydropower Projects
15. State Park Basics. Recreational information for various state parks within the
16. SF Bay Area, Central Valley, Central Coast, Gold Country, and Shasta/Cascades.
17. 1997. Public Opinions and Attitudes on Outdoor Recreation in California.
18. 1999-2000 Guide to California's State-Operated Hunting Areas.
19. DWR ~~Comparative~~ Comparative Inventory of California's Largest Reservoirs.
20. DWR Initial Information Package.

INFORMATION NEEDED:

1. Identify operational and access constraints to the Oroville Facilities, particularly lake level data.
2. Identify suitable locations for swimming based on environmental and constructed factors, as well as areas of constraint.

3. Identify existing recreational facilities and conditions.
4. Identify areas where facilities are complementary to each other.
5. Identify demand, needs and preferences for users of various recreation opportunities.
6. Evaluate recreational and land use plans for consistency.
7. Evaluate ADA accessibility.
8. Identify current and projected recreation use.
9. Evaluate existing and potential public use impacts from recreation activities and facilities.

LEVEL OF ANALYSIS:

~~Desk-top~~Desktop and field studies to assess the range of hunting and fishing opportunities currently provided in the Project area and identify opportunities not provided.

S1. Economic Development Opportunities

Issue Statement: Improve economic development through recreation-opportunities at the Oroville Facilities

Resource Goals:

~~Conduct economic analyses to understand growth potential for recreation-related use in the Project area~~

~~Evaluate potential for private enterprise and public-private partnerships to complement existing and proposed recreation enhancements~~

Provide community-wide support through managing project lands and facilities in a manner that promotes high quality recreational use of the project area.

Geographic Scope:

Area within the Oroville Facilities FERC boundary
Butte County

Existing Information:

1. Recreation use statistics collected by DWR, DPR, Lake Oroville SRA Recreational Use Study, and from records of local businesses
2. Spending profiles of visitors, as developed from the Lake Oroville SRA Recreational Use Study and from other available studies and local business records
3. Economic activity (personal income and employment) from County Business Patterns data compiled by the U.S. Department of Commerce
4. Travel patterns and spending compiled by the California Department of Tourism
5. Demographics and economic activity compiled by the U.S. Bureau of the Census and the California Department of Finance
6. Local economic development goals and plans
7. Purchasing and sales relationships from IMPLAN and other local/regional economic impact models
8. Historic and existing sales tax revenues, lodging tax revenues, property tax revenues, and business tax revenues.

Information Needed:

1. Surveys of visitors to Lake Oroville and affected reaches of the Feather River to supplement existing information on user activities and spending patterns
2. Surveys of local businesses to determine purchasing and sales relationships
3. Interviews with local government officials (cities, counties, townships, and special districts) to document procedures for collecting and distributing tax revenues affected by recreation activity at Lake Oroville.

Level of Analysis

The key socioeconomic relationships to be documented will allow for evaluating the socioeconomic impacts of recreation activity associated with existing and projected

project operations. Studies would focus on understanding how historic, existing, and potential changes in recreation activity associated with use of the Lake Oroville State Recreation Area and affected downstream reaches of the Feather River affect the local and regional economy, including businesses and local governments. Key socioeconomic relationships would be researched and documented, including how existing recreation facilities and improvements, access, and water and fishery conditions affect recreation use levels, and how recreation use levels, in turn, affect visitor spending, employment, personal income, and tax revenues in the local and regional economy. A thorough understanding of these relationships will facilitate evaluating the socioeconomic impacts of different operating and facility development scenarios, and for developing effective strategies to enhance economic development in the region. The potential for private enterprise and public-private partnerships to complement existing and proposed recreation enhancements also would be evaluated.

S2. Feasibility of Using Lower Utility Rates or Other Project Resources for Local Economic Development

Issue Statement: Assess the feasibility of economic development through lower local utility rates and other available economic options related to project resources development

Resource Goals:

Review managerial, legal, cost, and operational aspects of the Project to determine if the provision of lower utility rates on the local level is possible

Geographic Scope:

Area within the Oroville Facilities FERC boundary

Butte County

Existing Information:

1. Records of similar agreements between local interests and operators of state, federal, or private hydroelectric facilities
2. Historic and existing utility rates for users in the local region (Butte County)
3. Local and regional economic impact models (e.g., IMPLAN) capable of evaluating the effects of lower utility rates or other financial resources

Information Needed:

1. Interviews with state and other officials to identify potential institutional and legal constraints and to assess needed actions for implementation
2. Estimates of cost impacts to the Project of providing these resources locally

Level of Analysis

The feasibility studies would be designed at a level appropriate for developing project enhancing project enhancement measures. Studies would focus on evaluating potential economic benefits from establishing lower utility rates or use of other financial resources for local M&I, agricultural, or other economic development purposes. The managerial, legal, cost, and operational aspects of the Project would be reviewed to determine if the provision of lower utility rates or the contribution of other Project resources on the local level is possible. The potential economic development benefit of providing these resources would be evaluated.